

What is Claimed Is

1. A sport shoe with a sole that holds a removable cleat attached to it, wherein the cleat has a locking section that reaches behind a receptacle in the sole

characterized in that,

the locking section consists of a locking pin (10) that protrudes in the direction of the longitudinal axis of the cleat (3), said pin being held locked in the receptacle (2) by a locking spring (7) located in a locking frame (5) when it is in the locked state.

2. A sport shoe with a sole that holds a removable cleat attached to it according to claim 1,

characterized in that,

the receptacle (2) consists of a round hole that has the same cross section as the cross section of the locking pins (10).

3. A sport shoe with a sole that holds a removable cleat attached to it according to claims 1 and 2,

characterized in that,

the locking frame (5) has a spring channel (6) in which the locking spring (7) is located.

4. A sport shoe with a sole that holds a removable cleat attached to it according to claims 2 and 3,

characterized in that,

the locking spring (7) consists of a torsion spring (7') with a preferably round cross section and with spring sides (8, 9) that extend into the receptacle (2) that holds the locking pin (10).

5. A sport shoe with a sole that holds a removable cleat attached to it according to claim 4,

characterized in that,

the spring sides (8, 9) are pre-tensioned in the direction of the receptacle (2) and are supported off of the walls (6', 6'') of the spring channels (6).

6. A sport shoe with a sole that holds a removable cleat attached to it according to one of claims 1 through 5,

characterized in that,

the locking pin has insertion inclines (11, 11') that push apart the spring sides (8, 9) of the locking spring (7) when the cleat (3) is pushed into the receptacle (2).

7. A sport shoe with a sole that holds a removable cleat attached to it according to claim 6,

characterized in that,

the insertion inclines (11, 11') are diametrically opposed and have an angle between 35° and 45° with respect to the longitudinal axis of the cleat (3).

8. A sport shoe with a sole that holds a removable cleat attached to it according to one of claims 1 through 5,

characterized in that,

the locking pin (10) has locking surfaces (12, 12') against which the spring sides (8, 9) of the locking spring (7) are supported in the locked state of the locking pin (10) such that movement of the cleat (3) in its longitudinal and/or lateral direction is prevented.

9. A sport shoe with a sole that holds a removable cleat attached to it according to claim 10,

characterized in that,

the locking surfaces (12, 12') are diametrically opposed and have an angle of between 85° and 95°, preferably 90° with respect to the longitudinal axis of the cleat (3).

10. A sport shoe with a sole that holds a removable cleat attached to it according to claims 8 and 9,

characterized in that,

the locking surfaces (12, 12') have a length of at least one half the diameter of the spring sides (8, 9).

11. A sport shoe with a sole that holds a removable cleat attached to it according to one of claims 1 through 5,

characterized in that,

the locking pin (10) has spreading surfaces (14, 14') that push the spring sides (8, 9) in the opposite direction away from the channel walls (6', 6'') when the cleat (3) is rotated and thus release the locking pin (10) from the receptacle (2).

12. A sport shoe with a sole that holds a removable cleat attached to it according to claim 11,

characterized in that,

the cleat (3) is rotated by means of a tool (13).

13. A sport shoe with a sole that holds a removable cleat attached to it according to claim 12,

characterized in that,

the cleat (3) has spurs (15) along its diameter that mate with complementary recesses in the tool (13).

14. A process to quickly install a removable cleat to a sport shoe having a sole, wherein the cleat has a locking section that reaches behind a receptacle of the sole

characterized in that,

the installation of the cleat is done by simply pressing it by hand into the receptacle of the sole until the cleat reaches its locked position in which a locking pin of the cleat has become locked by a spring and in which it cannot be moved longitudinally or laterally, whereas the removal is accomplished with the help of a tool by rotating the cleat by one half of a turn, the cleat unlocking by itself through spreading surfaces and releasing from the receptacle of the sole.

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